



Technical Data Sheet

USB to RS232 TTL | CMOS Adapter Cable with Terminal Block

Model Number: USB-232TTLMOS



The USB-232TTLMOS USB to RS232 TTL/CMOS Adapter Cable w/ 5-pin Terminal Blocks is an intelligent expansion cable that connects to a PC or server via the Universal Serial Bus (USB), providing high-speed serial connectivity. The serial port is fully compatible with RS232 serial standard but with TTL/CMOS logic level instead. There are 2 models available, one is non-isolated and the other is isolated version. With the selectable logic level voltage, it is an ideal and instant solution for most critical applications.

Features

- TAA Compliant.
- Provides 1 TTL/CMOS RS232 Serial Port over USB Port.
- Supports 3-Signal TTL/CMOS RS232 Conversion: (TXD, RXD, GND).
- Supports a 5-pin Terminal Blocks for TTL/COMS Signal Wiring.
- 5V/3.3V/2.5V/1.8V Logic Level Selectable by DIP Switch.
- Signal Levels are Similar to Standard RS232 but in TTL/CMOS Swing Level.
- Supports Serial Speed from 300bps to 921.6Kbps.
- Supports 7, 8 Data Bits.
- Odd, Even, Mark, Space, None parity mode.

Product Information

- **Model Number:** [USB-232TTLMOS](#)
- **Packing List:**
 - USB to RS232 TTL | CMOS Adapter
 - Driver Disk
- **Optional Accessories:** N/A

- Supports 1, or 2 Stop Bits.
- Supports XP, Vista, Win 7, 8, 10, Linux and Mac OS.

Specifications

Overview

USB Interface	USB
Chipset	FTDI
Port Connections	5-Pin Terminal Block
USB Speed	USB 1.0 / 1.1 compliant, USB 2.0 compatible
Protocol	RS-232
Baud Rate	300bps up to 921.6K bps
Color	Black
Compliance / Approvals	TAA / RoHS

Physical Features

Construction	Rugged ABS Plastic
Power	Bus powered
Cable Length	5ft.
Dimensions	1.77"(L)x1.65"(W)x1.15"(H) (4.49 x 4.18 x 2.20 cm)
Weight	.231 lbs
OS Support	Supports XP, Vista, Win 7, 8, 10, Linux and Mac OS.

Serial Signal Parameters

RS-232 Data Signals	RS232 TxD, RxD, RTS/CTS, DTR, DSR, DCD, RI, GND
TTL / CMOS	TXD, RXD, GND

Terminal Block Configuration

Pin 1	TXD (Output)
Pin 2	RXD (Input)
Pin 3	VOUT (Output TTL / CMOS Power)
Pin 4	VIN (Input TTL / CMOS Power)
Pin 5	GND (Ground for TTL / CMOS)

Serial COM Parameters

Logic Level	5V/3.3V/2.5V/1.8V Selectable by DIP Switch
Parity	None, Even, Odd, Space, Mark
Data Bits	Supports 7, 8 Data Bits
Stop Bits	1 or 2 stop bits

Environment

Operating Temperature	-40 to 85°C (-40 to 185 °F)
Storage Temperature	-40 to 85 °C (-4 to 185 °F)
Operating Humidity	5 to 95% RH

General Applications

Applications	PC and Server Serial Communication
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Product URL

USB-232TTLMOS product page	https://www.coolgear.com/product/usb-to-rs232-ttl-cmos-adapter-cable-with-terminal-block
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Note: +2.5V or +1.8V DC Power Input Required on the 5-pin Terminal Blocks in case of Supporting 2.5V or 1.8V Logic Levels.